

Upon exiting the filter assembly 36, the purified water enters a dispense manifold 44 connected in the fluid circuit 12. The dispenser manifold 44 includes a first normally-closed solenoid valve 46 that is coupled to the flow control system 20. The normally-closed solenoid valve 46 may be selectively opened by the user to direct water through a final filter 48 and through the water outlet 16. When purified water is not being dispensed, a normally-open solenoid valve 50 is provided to direct the water in a recirculating manner through a check valve 52 and back to the beginning of fluid circuit 12 to be continuously recirculated by pump 30. Check valve 52 prevents backflow from inlet 14 and also provides any necessary back pressure for a manual valve (not shown) associated with the optional remote dispensing gun 32.

In the Claims:

Please amend claims 1, 3-9, 11-15 and 18-19 as follows:

1. (AMENDED) A water purification system for purifying water flowing through a water flow path, the system comprising:

a water purification device having an inlet and an outlet in the water flow path and in fluid communication with at least one interior volume of the water purification device;

a purification medium positioned within the interior volume;

an input device configured to allow a user to input a desired volume of water to be dispensed from the outlet;
during a dispense cycle